

Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.

07913-006001

Application No.

09/930,316

**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant

Paul B. Savage et al.

Filing Date

August 15, 2001

Group Art Unit

1616

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U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date Appropriate
BB	AA	5,834,453 ✓	11/10/98	Regen	—	—	
	AB	5,804,563 ✓	09/1998	Still et al.	—	—	
	AC	5,637,691 ✓	06/10/97	Frye et al.	—	—	
	AD	5,446,026 ✓	08/29/95	Ruff et al.	—	—	
	AE	5,364,632 ✓	11/15/94	Benita et al.	—	—	
	AF	5,268,272 ✓	12/07/93	Müllner et al.	—	—	
	AG	4,981,983 ✓	01/01/91	Castagnola et al.	—	—	
	AH	4,892,868 ✓	01/09/90	Castagnola et al.	—	—	
	AI	4,565,810 ✓	01/21/86	Castagnola et al.	—	—	
	AJ	4,299,726 ✓	11/10/81	Crews et al.	—	—	
	AK	4,192,871 ✓	03/11/80	Phillipps et al.	—	—	
	AL	4,158,707 ✓	06/19/79	Steffen et al.	—	—	
BB	AM	3,519,714 ✓	07/07/70	Hughes et al.	—	—	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
BB	AN	WO 99/31124 ✓	24.06.99	PCT	—	—		
	AO	WO 95/19567 ✓	20.07.95	PCT	—	—		
	AP	0 168 229 ✓	15.01.86	EPO	—	—		
	AQ	0 135 782 ✓	03.05.85	EPO	—	—		
	AR	0 124 068 ✓	07.11.84	EPO	—	—		
BB	AS	0 113 998 ✓	25.07.84	EPO	—	—		

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
BB	AT ✓	Li et al., "Preparation of Amine-Functionalized Cholic Acid Derivatives for Use as Lipid A Binding Agents", Book of Abstracts, 214th ACS National Meeting, September 7-11, 1997, Poster Session
BB	AU ✓	Li et al., "Design and Synthesis of Potent Sensitizers of Gram-Negative Bacteria Based on a Cholic Acid Scaffolding", J. Am. Chem. Soc., Vol. 120, No. 12, April 1, 1998, 2961-62

Examiner Signature

Paul B. Savage

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BB	AV	Barnes et al., "Preparation and Characterisation of Methylated Derivatives of Bile Acids, and Their Application to Gas Chromatographic Analysis", J. of Chromatography, 183, (1980), 269-276
	AW	Bellini et al., "Antimicrobial Activity of Cholane Compounds Cholic and Deoxycholic Acids Derivatives (Part I)", Eur. J. Med. Chem. - Chem. Ther. 1983-18, No. 2, pp. 185-190
	AX	Bellini et al., "Antimicrobial Activity of Cholane Compounds Cheno and Ursodeoxycholic Acids Derivatives Part II", Eur. J. Med. Chem. - Chem. Ther. 1983-18, No. 2, pp. 191-195
	AY	Bowe et al., "Design of Compounds That Increase the Absorption of Polar Molecules", Proc. Natl. Acad. Sci., USA (1997), pp. 12218-23
	AZ	Boyce et al., "Peptidosteroidal Receptors for Opioid Peptides, Sequence-Selective Binding Using a Synthetic Receptor Library", J. Am. Chem. Soc., 1994, 116, 7955-7956
	AAA	Broderick et al., "The 'Triamino-analogue' of Methyl Cholate; A Facial Amphiphile and Scaffold with Potential for Combinatorial and Molecular Recognition Chemistry", Tetrahedron Letters, 39 (1998) 6083-6086
	ABB	Ding et al., "Correlation of the Antibacterial Activities of Cationic Peptide Antibiotics and Cationic Steroid Antibiotics", J. Med. Chem., pp. 663-669, Vol. 45, January 31, 2002
	ACC	Paul B. Savage, "Design, Synthesis and Characterization of Cationic Peptide and Steroid Antibiotics", Eur. J. Org. Chem., pp. 759-768, 2002
	ADD	Paul B. Savage, "Multidrug-Resistant Bacteria: Overcoming Antibiotic Permeability Barriers of Gram-Negative Bacteria", Ann Med, Vol. 33, pp. 167-171, 2001
	AEE	Schmidt et al., "Activities of Cholic Acid-Derived Antimicrobial Agents Against Multidrug-Resistant Bacteria", Journal of Antimicrobial Chemotherapy, Vol. 47, pp. 671-674, 2001
	AFF	Guan et al., "Preparation and Characterization of Cholic Acid-Derived Antimicrobial Agents with Controlled Stabilities", Org. Lett., Vol. 2, No. 18, pp. 2837-2840, 2000
	AGG	Savage et al., "Cholic Acid Derivatives: Novel Antimicrobials", Exp. Opin. Invest. Drugs, Vol. 9, pp. 263-272, 2000
	AHH	Jones et al., "The synthesis and characterization of analogs of the antimicrobial compound squalamine: 6 β -hydroxy-3-aminosterols synthesized from hyodeoxycholic acid, Steroids, pp. 565-571, Vol. 61, October 1996
	AII	Cheng et al., "Sequence-Selective Peptide Binding with a Peptido-A,B-trans-steroidal Receptor Selected from an Encoded Combinatorial Receptor Library", J. Am. Chem. Soc., 1996, 118, 1813-1814
	AJJ	Deng et al., "A Synthetic Loophole that Recognizes Negatively Charged Phospholipid Membranes", J. Am. Chem. Soc. 1996, 118, 8975-8976
	AKK	Hsieh et al., "Synthesis and DNA Binding Properties of C3-, C12-, and C24- Substituted Amino-Steroids Derived from Bile Acids", Bioorganic & Medicinal Chemistry, Vol. 3, No. 6, pp. 823-838, 1995
	ALL	Hsieh et al., "Structural Effects in Novel Steroidal Polyamine-DNA Binding", J. Am. Chem. Soc., Vol. 116, No. 26, 1994, pp. 12077-79
	AMM	Moore et al., "Squalamine: An Aminosterol Antibiotic From the Shark", Proc. Natl. Acad. Sci. USA, Vol. 90, pp. 1354-1358, February 1993
BB	ANN	H. Peter Nestler, "Sequence-Selective Nonmacrocyclic Two-Armed Receptors for Peptides", Molecular Diversity, 2 (1996) 35-40

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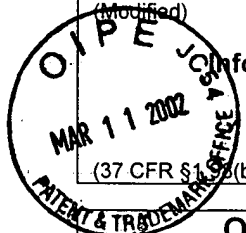
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(37 CFR §1.96(b))

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BB	AOO ✓	Walker et al., "Cationic Facial Amphiphiles: A Promising Class of Transfection Agents", Proc. Natl. Acad. Sci., Vol. 93, pp. 1585-90, February 1995
PB	APP ✓	Wess et al., "The Design and Synthesis of a Scaffold for Combinatorial Chemistry Based on Bile Acid", Angew. Chem. Int. Ed. Eng. 1996, 33, No. 19, pp. 2222-25

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